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(54) COATING COMPOSITION FOR SPRAYING, AEROSOL CAN AND FORMATION OF COATING MEMBRANE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the subject coating composition for spraying that sprays a photocatalyst to impart antifouling properties to a variety of parts in house hold appliances and internal finishing materials by spraying a mixture of a specific organosilane or the like, water and/or an organic solvent and a photocatalyst.

SOLUTION: This coating composition comprises (A) at least one selected from an organosilane of the formula: $(R_1)_nSi(OR_2)_4-n$ (R_1 is a 1-8C monovalent organic group, R_2 is a 1-5C alkyl, a 1-6C acyl; n is 0-2), its hydrolyzates and condensates (methyltrisiloxane or the like), (B) water and/or an organic solvent, for example, i-propyl alcohol or the like, and (C) a photocatalyst, for example, TiO_2 or the like. In a preferred embodiment, the amount of water to be used is about 0.7-2 moles per mole of the structural unit represented by the formula: $(R_1)_nSi(OR_2)_4-n$, while the amount of the component C is 5-400 pts.wt. on the solid basis, per 100 pts.wt. of the structural unit represented by the formula: $(R_1)_nSi(OR_2)_4-n/2$ in the component A.

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